

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - nucleic search, using frame_plus p2n model

Run on January 16, 2003, 16:59:22, Search time: 17.1429 seconds
(without alignments)
89,447 Million cell updates/sec

Title: US-09-856-070-1A
Perfect score: 24
Sequence: 1 KEELM 5

Scoring table: BLOSUM62

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

```
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
```

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 s

Command line parameters:

```
MODEL=frame_r2n_model-usv-xlp
Q=/cqn21/usfpool-usv456070/runal_14012003_155846_1s5b7apf_qery_lasta_1_1592
-DB=Issued_Patents_NA-QMI-fastap-SUFFIX=tni-MINMATCH=0.1-LOOCPCL=0
-LOOEXPT=0-UNITS=bits-START=1-END=1-MATRIX=blosum62-TRANS=human43.cdi
-LIST=45-DOCALLIGN=200-THR_SCORE=pct-THR_MAX=100-THR_MIN=0-ALIGN=15
-MODE=LOCAL-OUTFWT=ctc-NEM=ext-HEAPSIZE=500-MINLEN=0-MAXLEN=200000000
-USER-US095856070-acv11161-runal_14012003_155846_1s5b7-ncfn=6-icfn=3
-NO_XLPHY-NO_MMAP-LAP/EQUIRY=NF0-SCORING=0-WAIT-LONGLEV=DEV.TIMEOUT=120
WARN.TIMEOUT=30-THRRANDS=1-XGAPOP=10-XGAPEXT=0.5-FCGAPOP=6-FCGAPEXT=7
-XGAPOP=10-YGAPEXT=0.5-DELOP=6-DELEXT=7
```

Database : Issued Patents NA: *

- [illegible]

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result NO	Score	Query		ID	Description
		Match	Length		
1	24	100.0	56	US-09-657-481A-38	Sequence 28, Appl
2	24	100.0	54	US-09-291-874-3	Sequence 3, Appl
3	24	100.0	56	US-09-291-874-15	Sequence 15, Appl
4	24	100.0	539	US-09-605-745-310	Sequence 310, App
5	24	100.0	539	US-09-439-313-310	Sequence 310, App
6	24	100.0	539	US-09-352-616A-310	Sequence 310, App
7	24	100.0	539	US-09-232-149A-310	Sequence 310, App
8	24	100.0	591	US-08-332-766A-17	Sequence 17, Appl
9	24	100.0	728	US-08-896-154-53	Sequence 53, Appl
10	24	100.0	940	US-08-410-167A-1	Sequence 1, Appl
11	24	100.0	993	US-08-705-377-1	Sequence 1, Appl
12	24	100.0	993	US-08-705-377-2	Sequence 2, Appl

ALIGNMENT'S

RESULTS

US-09-657-481A-28/c
Sequence 28. Application US/09657481A

Patent No. 6,058,601

NOTATION: INFORMATION :
 TIGR8574 : ON 1987B1 :

; GENERAL INFORMATION:
 ; APPLICANT: Brett P. Monia

```

; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser

```

APPLICANT: LEX M. COWSILL
TITLE OF INVENTION: ANTISEN

ANTISEL	EXPRESSION
TITLE OF INVENTION:	
TITLE OF INVENTION:	

FILE REFERENCE	TITLE OF INVENTION	EXPRESSION
PTS 0087		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

DIFFERENT FILLING DATA:

TO THE COMMITTEE ON THE JUDICIARY

; NUMBER OF S

; SEQ ID NO 28

```

; LENGTH: 20

```

; TYPE: DNA

URCANISM: Artificial Sequence

FEATURE:

Alignment Scores:	9.02	Length:	20
Printed. NO.:	24.00	Matches:	5
Score:	180.00*	Unaligned:	0
Best Local Similarity:	160.50*	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	4	Gaps:	0

1 Page 1 of 1

0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

RESULT 2

```

US 09-291-874-3
; Sequence 3, Application US/09291874
; Patent No. 6436694
; GENERAL INFORMATION:
; APPLICANT: Francis P. Jally
; APPLICANT: Jianshi Tao
; APPLICANT: Xiaoyu Shen
; APPLICANT: Jiansu Zhang
; TITLE OF INVENTION: Regulable Gene Expression in
; FILE REFERENCE: C0198-03p9MA2
; CURRENT APPLICATION NUMBER: US/09/291,874
; CURRENT FILING DATE: 1999-04-14
; EARLIER APPLICATION NUMBER: 60/122,949
; EARLIER FILING DATE: 1999-03-05
; EARLIER APPLICATION NUMBER: 09/222,627
; EARLIER FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: 60/107,751
; EARLIER FILING DATE: 1998-11-10
; EARLIER APPLICATION NUMBER: 60/101,718
; EARLIER FILING DATE: 1998-09-24
; TITLE OF INVENTION: Gram-Positive Bacteria
; FILE REFERENCE: C0198-03p9MA2
; CURRENT APPLICATION NUMBER: US/09/291,874
; CURRENT FILING DATE: 1999-04-14
; EARLIER APPLICATION NUMBER: 60/122,949
; EARLIER FILING DATE: 1999-03-05
; EARLIER APPLICATION NUMBER: 09/222,627
; EARLIER FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: 60/107,751
; EARLIER FILING DATE: 1998-11-10
; EARLIER APPLICATION NUMBER: 60/101,718
; EARLIER FILING DATE: 1998-09-24
; EARLIER APPLICATION NUMBER: 60/100,211
; EARLIER FILING DATE: 1998-09-14
; EARLIER APPLICATION NUMBER: 60/094,698
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/089,828
; EARLIER FILING DATE: 1998-06-19
; EARLIER APPLICATION NUMBER: 60/085,844
; EARLIER FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 60/081,753
; EARLIER FILING DATE: 1998-04-14
; EARLIER APPLICATION NUMBER: 60/076,638
; EARLIER FILING DATE: 1998-03-03
; EARLIER APPLICATION NUMBER: 60/070,965
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 34
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US 09-291-874-3
Alignment Scores:
Pred. No.: 16 Length: 34
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-856-070-18 (1-5) x US-09-291-874-3 (1-34)
QY 1 LysGluGluLeuMet 5
DB 12 AAGAGGAATTAATG 26
RESULT 4
US 09-291-874-15
; Sequence 15, Application US/09291874
; Patent No. 6436694
; GENERAL INFORMATION:
; APPLICANT: Francis P. Jally
; APPLICANT: Jianshi Tao
; APPLICANT: Xiaoyu Shen
; APPLICANT: Jiansu Zhang
; TITLE OF INVENTION: Regulable Gene Expression in
; FILE REFERENCE: C0198-03p9MA2
; CURRENT APPLICATION NUMBER: US/09/291,874
; CURRENT FILING DATE: 1999-04-14

```

```

; EARLIER APPLICATION NUMBER: 60/122,949
; EARLIER FILING DATE: 1999-03-05
; EARLIER APPLICATION NUMBER: 09/227,687
; EARLIER FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: 60/107,751
; EARLIER FILING DATE: 1998-11-10
; EARLIER APPLICATION NUMBER: 60/101,718
; EARLIER FILING DATE: 1998-09-24
; EARLIER APPLICATION NUMBER: 60/100,211
; EARLIER FILING DATE: 1998-09-14
; EARLIER APPLICATION NUMBER: 60/094,698
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/089,828
; EARLIER FILING DATE: 1998-06-19
; EARLIER APPLICATION NUMBER: 60/085,844
; EARLIER FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: 60/081,753
; EARLIER FILING DATE: 1998-04-14
; EARLIER APPLICATION NUMBER: 60/076,638
; EARLIER FILING DATE: 1998-03-03
; EARLIER APPLICATION NUMBER: 60/070,965
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 56
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-291-874-15
Alignment Scores:
Pred. No.: 27-5 Length: 56
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-856-070-18 (1-5) x US-09-291-874-15 (1-56)
QY 1 LysGluGluLeuMet 5
DB 18 AAGAGGAATTAATG 32
RESULT 4
US-09-605-785-310
; Sequence 310, Application US/09605785
; Patent No. 6321716
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Barrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 21021.427C16
; CURRENT APPLICATION NUMBER: US/09/605,785
; CURRENT FILING DATE: 2000-06-27

```

```
; NUMBER OF SEQ ID NOS: 835
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 310
; LENGTH: 539
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-605-785-310

Alignment Scores:
Pred. No.: 320 Length: 539
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-856-070-18 (1-5) x US-09-605-785-310 (1-539)
QY 1 LysGluGluLeuMet 5
DB 464 AAGGAAGAACTTATG 478

RESULT 5
US-09-430-313-310
; Sequence 310, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 310
; LENGTH: 539
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-430-313-310

Alignment Scores:
Pred. No.: 320 Length: 539
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-856-070-18 (1-5) x US-09-430-313-310 (1-539)
QY 1 LysGluGluLeuMet 5
DB 464 AAGGAAGAACTTATG 478

RESULT 6
US-09-352-616A-310
; Sequence 310, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
```

```
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 310
; LENGTH: 539
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-310

Alignment Scores:
Pred. No.: 320 Length: 539
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-856-070-18 (1-5) x US-09-352-616A-310 (1-539)
QY 1 LysGluGluLeuMet 5
DB 464 AAGGAAGAACTTATG 478

RESULT 7
US-09-232-149A-310
; Sequence 310, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 438
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 310
; LENGTH: 539
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-310

Alignment Scores:
Pred. No.: 420 Length: 539
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-856-070-18 (1-5) x US-09-232-149A-310 (1-539)
QY 1 LysGluGluLeuMet 5
DB 464 AAGGAAGAACTTATG 478

RESULT 8
US-08-332-766A-17
; Sequence 17, Application US/08332766A
; Patent No. 5843647
; GENERAL INFORMATION:
; APPLICANT: JEFFREYS, Alec J.
; APPLICANT: ARMOUR, John
; TITLE OF INVENTION: SIMPLE TANDEM REPEATS
; NUMBER OF SEQUENCES: 125
```

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CUSHMAN DARRY & CUSHMAN, L.L.P.
 ; STREET: 1100 New York Avenue, N.W.
 ; CITY: Washington
 ; STATE: D. C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005-3918
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/332,766A
 ; FILING DATE: 01-Nov-1994
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: GB 9326052.9
 ; FILING DATE: 21-DEC 1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BIRD, Donald J.
 ; REGISTRATION NUMBER: 25,423
 ; REFERENCE/DOCKET NUMBER: 217211/894/0414/GB
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202) 861-3000
 ; TELEFAX: (202) 822-0944
 ; INFORMATION FOR SEQ ID NO: 17:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 591 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-332-766A-17

Alignment Scores:
 Pred. No.: 354 Length: 591
 Score: 24.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 Gaps: 0

US-09-856-070-18 (1-5) x US-08-332-766A-17 (1-591)

QY 1 LysGlulGluLeuMet 5
 DB 282 AAGACGAATTAATG 296

RESULT 9

US-08-896-164-53
 ; Sequence 53, Application US/08896164
 ; Patent No. 6218521
 ; GENERAL INFORMATION:
 ; APPLICANT: OHATA, Yutchi
 ; TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULES ASSOCIATED
 ; WITH GASTRIC CANCER AND METHODS FOR
 ; DIAGNOSING AND TREATING GASTRIC CANCER
 ; NUMBER OF SEQUENCES: 87
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Peife & Lynch
 ; STREET: 805 Third Avenue
 ; CITY: New York City
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10022
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.44mb
 ; COMPUTER: IBM PS/2
 ; OPERATING SYSTEM: PC-DOS
 ; SOFTWARE: Wordperfect
 ; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/896,164
 ; FILING DATE: July 17, 1997
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: No. 6218521man D. Hanson
 ; REGISTRATION NUMBER: 30,946
 ; REFERENCE/DOCKET NUMBER: 100 5499 - JEL/NIH/SLH
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 688-9200
 ; TELEFAX: (212) 638-3884
 ; INFORMATION FOR SEQ ID NO: 53:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 728 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; US-08-896-164-53

Alignment Scores:
 Pred. No.: 444 Length: 728
 Score: 24.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 Gaps: 0

US-09-856-070-18 (1-5) x US-08-896-164-53 (1-728)

QY 1 LysGlulGluLeuMet 5
 DB 232 AAGACGAATTAATG 246

RESULT 10
 US-08-410-167A-1
 ; Sequence 1, Application US/08410167A
 ; Patent No. 5773273
 ; GENERAL INFORMATION:
 ; APPLICANT: Tokuzo NISHINO, Shinichi OHNUMA, Manabu SUZUKI,
 ; Chikara OHIO, Chika ASADA, Yuka HIGUCHI, Yoshie TAKEUCHI
 ; TITLE OF INVENTION: Geranylgeranyl Diphosphate Synthase and DNA
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kenyon & Kenyon
 ; STREET: One Broadway
 ; CITY: New York
 ; STATE: NY
 ; COUNTRY: US
 ; ZIP: 10004
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3+ Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
 ; SOFTWARE: Wordperfect 6.1 Windows
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/410,167A
 ; FILING DATE: 24-MAR-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: JP 6-53804
 ; FILING DATE: 24-MAR-1994
 ; APPLICATION NUMBER: JP 6-315572
 ; FILING DATE: 25-NOV-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Edward W. Greason
 ; REGISTRATION NUMBER: 18,918
 ; REFERENCE/DOCKET NUMBER:
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 425-7300
 ; TELEFAX: (212) 425-5288
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 990 base pairs

```

: TYPE: nucleic acid
: STRANDEDNESS: Double
: TOPOLOGY: Linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEetical: NO
: ORIGINAL SOURCE:
: ORGANISM: Sulfolobus acidocaldarius
: STRAIN: ATCC 33909
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 1-990
: US-08-410-167A-1
Alignment Scores:
Pred. No.: 619 Length: 990
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0
US-09-856-070-18 (1-5) x US-08-410-167A-1 (1-990)
QY 1 LysGlutLeuMet 5
Db 811 AAAGAAGAAATTAATG 825
RESULT 11
US-08-705-377-1
: Sequence 1, Application US/08705377
: Patent No. 5807725
: GENERAL INFORMATION:
: APPLICANT: OHIO, Chikara, ASADA, Chika, OHNUMA, Shinichi,
: APPLICANT: NISHINO, Tokuzo, HIROOKA, Kazutake, HEMMI, Hisashi
: TITLE OF INVENTION: Long Chain Phenyl Diphosphate Synthase
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Kenyon & Kenyon
: STREET: 1025 Connecticut Avenue, N.W., Suite 600
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch Diskette
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: WordPerfect 6.1 Windows
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/705,377
: FILING DATE: 29-AUG-1996
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP 7247043
: FILING DATE: 01 SEP 1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Toffenetti, Judith L.
: REGISTRATION NUMBER: 39,048
: REFERENCE/DOCKET NUMBER: 77670/442
: TELEPHONE: 202-429-0796
: TELEFAX: 202-429-0796
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 993
: TYPE: Nucleic acid
: STRANDEDNESS: Double
: TOPOLOGY: Linear
: MOLECULE TYPE: Genomic DNA
: ORIGINAL SOURCE:
: ORGANISM: Sulfolobus acidocaldarius
: US-08-705-377-1

```

```

Alignment Scores:
Pred. No.: 621 Length: 993
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0
US-09-856-070-18 (1-5) x US-08-705-377-1 (1-993)
QY 1 LysGlutLeuMet 5
Db 811 AAAGAAGAAATTAATG 825
RESULT 12
US-08-705-377-2
: Sequence 2, Application US/08705377
: Patent No. 5807725
: GENERAL INFORMATION:
: APPLICANT: OHIO, Chikara, ASADA, Chika, OHNUMA, Shinichi,
: APPLICANT: NISHINO, Tokuzo, HIROOKA, Kazutake, HEMMI, Hisashi
: TITLE OF INVENTION: Long-Chain Phenyl Diphosphate Synthase
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Kenyon & Kenyon
: STREET: 1025 Connecticut Avenue, N.W., Suite 600
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch Diskette
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: WordPerfect 6.1 Windows
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/705,377
: FILING DATE: 29-AUG-1996
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP 7247043
: FILING DATE: 01 SEP 1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Toffenetti, Judith L.
: REGISTRATION NUMBER: 39,048
: REFERENCE/DOCKET NUMBER: 77670/442
: TELEPHONE: 202-429-1776
: TELEFAX: 202-429-0796
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 993
: TYPE: Nucleic acid
: STRANDEDNESS: Double
: TOPOLOGY: Linear
: MOLECULE TYPE: Mutated genomic DNA
: US-08-705-377-2

```

```

Alignment Scores:
Pred. No.: 621 Length: 993
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0
US-09-856-070-18 (1-5) x US-08-705-377-2 (1-993)
QY 1 LysGlutLeuMet 5
Db 811 AAAGAAGAAATTAATG 825
RESULT 13

```

```

US-08-705-377-3
: Sequence 3, Application US/08705377
: Patent No. 5807725
: GENERAL INFORMATION:
: APPLICANT: OHIO, Chikara, ASADA, Chika, OHNUMA, Shinichi,
: APPLICANT: NISHINO, Tokuzo, HIROOKA, Kazutake, HEMMI, Hisashi
: TITLE OF INVENTION: Long Chain Prenyl Diphosphate Synthase
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Kenyon & Kenyon
: STREET: 1025 Connecticut Avenue, N.W., Suite 600
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch Diskette
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: WordPerfect 6.1 Windows
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/705,377
: FILING DATE: 29-AUG-1996
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP 7247043
: FILING DATE: 01 SEP 1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Toffenetti, Judith L.
: REGISTRATION NUMBER: 39,048
: REFERENCE/DOCKET NUMBER: 77670/442
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-429-1776
: TELEFAX: 202-429-0796
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 993
: TYPE: Nucleic acid
: STRANDEDNESS: Double strand
: TOPOLOGY: Linear
: MOLECULE TYPE: Mutated genomic DNA
US-08-705-377-3

```

```

Alignment Scores:
Pred. No.: 621 Length: 993
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

```

US-09-856-070-18 (1-5) x US-08-705-377-3 (1-993)

```

QY 1 LysGluGluLeuMet 5
| | | | | | | | | |
DB 811 AAGAAGAATTAAATG 825

```

RESULT 14

```

US-08-705-377-4
: Sequence 4, Application US/08705377
: Patent No. 5807725
: GENERAL INFORMATION:
: APPLICANT: OHIO, Chikara, ASADA, Chika, OHNUMA, Shinichi,
: APPLICANT: NISHINO, Tokuzo, HIROOKA, Kazutake, HEMMI, Hisashi
: TITLE OF INVENTION: Long-Chain Prenyl Diphosphate Synthase
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Kenyon & Kenyon
: STREET: 1025 Connecticut Avenue, N.W., Suite 600
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20036

```

```

: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch Diskette
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: WordPerfect 6.1 Windows
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/705,377
: FILING DATE: 29-AUG-1996
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP 7247043
: FILING DATE: 01 SEP 1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Toffenetti, Judith L.
: REGISTRATION NUMBER: 39,048
: REFERENCE/DOCKET NUMBER: 77670/442
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-429-1776
: TELEFAX: 202-429-0796
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 993
: TYPE: Nucleic acid
: STRANDEDNESS: Double strand
: TOPOLOGY: Linear
: MOLECULE TYPE: Mutated genomic DNA
US-08-705-377-4

```

```

Alignment Scores:
Pred. No.: 621 Length: 993
Score: 24.00 Matches: 5
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

```

US-09-856-070-18 (1-5) x US-08-705-377-4 (1-993)

```

QY 1 LysGluGluLeuMet 5
| | | | | | | | | |
DB 811 AAGAAGAATTAAATG 825

```

RESULT 15

```

US-08-705-377-5
: Sequence 5, Application US/08705377
: Patent No. 5807725
: GENERAL INFORMATION:
: APPLICANT: OHIO, Chikara, ASADA, Chika, OHNUMA, Shinichi,
: APPLICANT: NISHINO, Tokuzo, HIROOKA, Kazutake, HEMMI, Hisashi
: TITLE OF INVENTION: Long-Chain Prenyl Diphosphate Synthase
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Kenyon & Kenyon
: STREET: 1025 Connecticut Avenue, N.W., Suite 600
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch Diskette
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: WordPerfect 6.1 Windows
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/705,377
: FILING DATE: 29-AUG-1996
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: JP 7247043
: FILING DATE: 01 SEP 1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Toffenetti, Judith L.
: REGISTRATION NUMBER: 39,048

```

REFERENCE/BOOK NUMBER: 77670/442
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-429-1776
 TELEFAX: 202-429-0796
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 993
 TYPE: Nucleic acid
 STRANDEDNESS: Double strand
 TOPOLOGY: Linear
 MOLECULE TYPE: Mutated genomic DNA
 US-08-705-377-5

Alignment Scores:
 Pred. No.: 621 Length: 993
 Score: 24.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 1 Gaps: 0

US-09-856-070-18 (1-5) x US-08-705-377-5 (1-993)

Qy 1 LysGluGluLeuMet 5
 |||||||
 Db 811 AAAGAGAGATTATG 825

Search completed: January 16, 2003, 21:41:23
 Job time : 19.1429 secs

